

Release notes for ENDF/B Development n-052\_Te\_123  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=5234, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=5234, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      259 TO      319
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=5234, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=5234, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      259
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5234, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      321
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      528
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      619
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      684
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      702
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 17  
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 713

8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 22  
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 719

9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 28  
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 733

10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 32 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 32  
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 743

11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 51 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 51  
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 751

12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 52 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 52  
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 769

13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 53 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 53  
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 786

14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 54 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 54  
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 803

15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 55 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 55 | RECORD NUMBER | 819 |
| SECTION 3/ 55 NOT IN DIRECTORY            |               |     |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 56 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 56 | RECORD NUMBER | 835 |
| SECTION 3/ 56 NOT IN DIRECTORY            |               |     |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 57 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 57 | RECORD NUMBER | 850 |
| SECTION 3/ 57 NOT IN DIRECTORY            |               |     |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 58 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 58 | RECORD NUMBER | 865 |
| SECTION 3/ 58 NOT IN DIRECTORY            |               |     |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 59 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 59 | RECORD NUMBER | 879 |
| SECTION 3/ 59 NOT IN DIRECTORY            |               |     |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 60 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 60 | RECORD NUMBER | 893 |
| SECTION 3/ 60 NOT IN DIRECTORY            |               |     |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 61 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 61 | RECORD NUMBER | 907 |
| SECTION 3/ 61 NOT IN DIRECTORY            |               |     |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 62 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 62 | RECORD NUMBER | 920 |
| SECTION 3/ 62 NOT IN DIRECTORY            |               |     |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 63 (0): Directory (b)*

- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 63 |                   |
| SECTION 3/ 63 NOT IN DIRECTORY            | RECORD NUMBER 932 |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 64 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 64 |                   |
| SECTION 3/ 64 NOT IN DIRECTORY            | RECORD NUMBER 944 |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 65 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 65 |                   |
| SECTION 3/ 65 NOT IN DIRECTORY            | RECORD NUMBER 955 |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT= 91 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT= 91 |                   |
| SECTION 3/ 91 NOT IN DIRECTORY            | RECORD NUMBER 966 |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT=102 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT=102 |                   |
| SECTION 3/102 NOT IN DIRECTORY            | RECORD NUMBER 977 |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT=103 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT=103 |                    |
| SECTION 3/103 NOT IN DIRECTORY            | RECORD NUMBER 1001 |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT=104 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT=104 |                    |
| SECTION 3/104 NOT IN DIRECTORY            | RECORD NUMBER 1017 |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT=105 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT=105 |                    |
| SECTION 3/105 NOT IN DIRECTORY            | RECORD NUMBER 1029 |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT=106 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT=106 |                    |
| SECTION 3/106 NOT IN DIRECTORY            | RECORD NUMBER 1041 |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 3, MT=107 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 3, MT=107 |                    |
| SECTION 3/107 NOT IN DIRECTORY            | RECORD NUMBER 1052 |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 2 (0): Directory (b)*
- |  |                    |
|--|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 2 |                    |
| SECTION 4/ 2 NOT IN DIRECTORY            | RECORD NUMBER 1096 |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 16 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 16 |                    |
| SECTION 4/ 16 NOT IN DIRECTORY            | RECORD NUMBER 1284 |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 17 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 17 |                    |
| SECTION 4/ 17 NOT IN DIRECTORY            | RECORD NUMBER 1295 |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 22 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 22 |                    |
| SECTION 4/ 22 NOT IN DIRECTORY            | RECORD NUMBER 1306 |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 28 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 28 |                    |
| SECTION 4/ 28 NOT IN DIRECTORY            | RECORD NUMBER 1317 |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 32 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 32 |                    |
| SECTION 4/ 32 NOT IN DIRECTORY            | RECORD NUMBER 1328 |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 51 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 51 | RECORD NUMBER | 1339 |
| SECTION 4/ 51 NOT IN DIRECTORY            |               |      |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 52 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 52 | RECORD NUMBER | 1369 |
| SECTION 4/ 52 NOT IN DIRECTORY            |               |      |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 53 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 53 | RECORD NUMBER | 1396 |
| SECTION 4/ 53 NOT IN DIRECTORY            |               |      |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 54 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 54 | RECORD NUMBER | 1426 |
| SECTION 4/ 54 NOT IN DIRECTORY            |               |      |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 55 | RECORD NUMBER | 1456 |
| SECTION 4/ 55 NOT IN DIRECTORY            |               |      |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 56 | RECORD NUMBER | 1486 |
| SECTION 4/ 56 NOT IN DIRECTORY            |               |      |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 57 | RECORD NUMBER | 1516 |
| SECTION 4/ 57 NOT IN DIRECTORY            |               |      |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 58 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 58 | RECORD NUMBER | 1546 |
| SECTION 4/ 58 NOT IN DIRECTORY            |               |      |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 59 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 59 | RECORD NUMBER | 1575 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 60 | RECORD NUMBER | 1604 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 61 | RECORD NUMBER | 1633 |
| SECTION 4/ 61 NOT IN DIRECTORY            |               |      |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 62 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 62 | RECORD NUMBER | 1660 |
| SECTION 4/ 62 NOT IN DIRECTORY            |               |      |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 63 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 63 | RECORD NUMBER | 1685 |
| SECTION 4/ 63 NOT IN DIRECTORY            |               |      |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 64 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 64 | RECORD NUMBER | 1711 |
| SECTION 4/ 64 NOT IN DIRECTORY            |               |      |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 65 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 65 | RECORD NUMBER | 1737 |
| SECTION 4/ 65 NOT IN DIRECTORY            |               |      |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 4, MT= 91 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5234, MF= 4, MT= 91 | RECORD NUMBER | 1763 |
| SECTION 4/ 91 NOT IN DIRECTORY            |               |      |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 5, MT= 16 (0): Directory (b)*



ERROR(S) FOUND IN MAT=5234, MF= 5, MT= 16  
SECTION 5/ 16 NOT IN DIRECTORY RECORD NUMBER 1790

56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 5, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 5, MT= 17  
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 1866

57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 5, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 5, MT= 22  
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 1890

58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 5, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 5, MT= 28  
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 2111

59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 5, MT= 32 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 5, MT= 32  
SECTION 5/ 32 NOT IN DIRECTORY RECORD NUMBER 2214

60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5234, MF= 5, MT= 91 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5234, MF= 5, MT= 91  
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 2264

- **psyche** Warnings:

1. Non-threshold reaction with Q value differing from PSYCHE's expectations  
*FILE 3 / SECTION 103 / THE CALCULATED Q 1.00921E+06 DISSAGREES WITH THE GIVEN Q 8.34465E+05 (0): Iffy Q*

FILE 3  
SECTION 103  
THE CALCULATED Q 1.00921E+06 DISSAGREES WITH THE GIVEN Q 8.34465E+05

- **fudge-4.0** Warnings:

1. Potential scattering hasn't converted, you need more L's!  
*resonances / resolved / MultiLevelBreitWigner (Error # 0): potentialScatteringNot-Converged*

WARNING: Potential scattering hasn't converged by L=0 at E=2000.0 eV, xs[0]/xs[0]=100.0% > 0.1%

2. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.12%

3. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 1: (z,n) (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.11%

• fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.  
*reaction label 17: n[multiplicity:'2'] + Te122 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -7364541.582321167 eV vs -6.9376e6 eV!

2. Calculated and tabulated Q values disagree.  
*reaction label 18: n[multiplicity:'3'] + Te121 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -17198735.71453857 eV vs -1.68097e7 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 19: n + H1 + Sb122 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8566047.18460083 eV vs -8135830. eV!

4. Calculated and tabulated Q values disagree.  
*reaction label 20: n + H2 + Sb121 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -13147862.19960022 eV vs -1.26367e7 eV!

5. Calculated and tabulated Q values disagree.  
*reaction label 21: Te124 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 8988612.794219971 eV vs 9425420. eV!

6. Calculated and tabulated Q values disagree.  
*reaction label 22: n + He4 + Sn119 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1963804.684371948 eV vs -1.5207e6 eV!

7. Calculated and tabulated Q values disagree.  
*reaction label 23: H1 + Sb123\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 399207.3833770752 eV vs 834465. eV!

8. Calculated and tabulated Q values disagree.  
*reaction label 24: H2 + Sb122\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -6341481.08366394 eV vs -5825710. eV!

9. Calculated and tabulated Q values disagree.  
*reaction label 25: H3 + Sb121\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -6890629.258987427 eV vs -6451560. eV!

10. Calculated and tabulated Q values disagree.  
*reaction label 26: He3 + Sn121\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -7263073.619064331 eV vs -6819530. eV!

11. Calculated and tabulated Q values disagree.  
*reaction label 27: He4 + Sn120\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 7144222.7706604 eV vs 7590490. eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (0): GROUPT/conver (0)*

---message from conver---cannot do complete particle production for mt= 16  
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (1): GROUPT/conver (0)*

---message from conver---cannot do complete particle production for mt= 17  
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (2): GROUPT/conver (0)*

---message from conver---cannot do complete particle production for mt= 22  
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (3): GROUPT/conver (0)*

---message from conver---cannot do complete particle production for mt= 28  
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (4): GROUPT/conver (0)*

---message from conver---cannot do complete particle production for mt= 32  
only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)*

---message from conver---cannot do complete particle production for mt= 91  
only mf4/mf5 provided